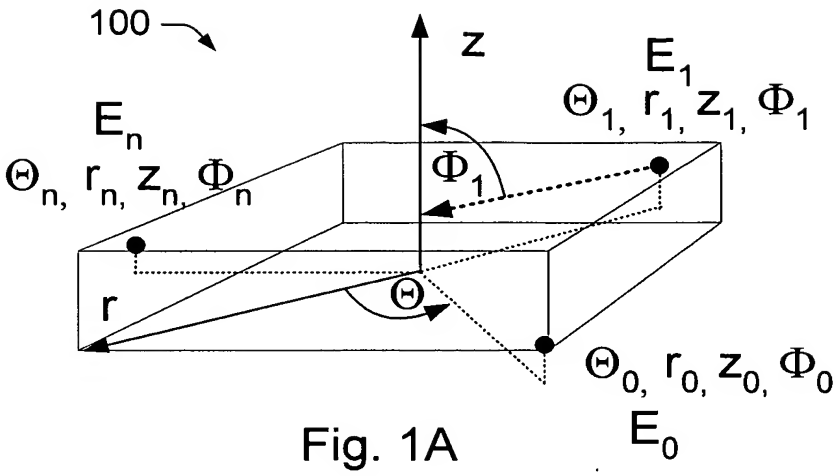


Fig. 1A

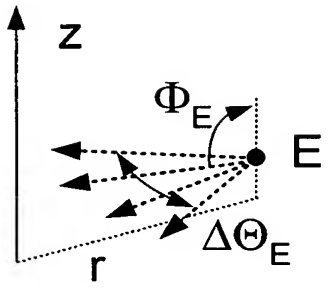


Fig. 1B

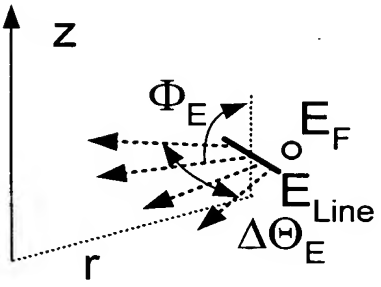


Fig. 1C

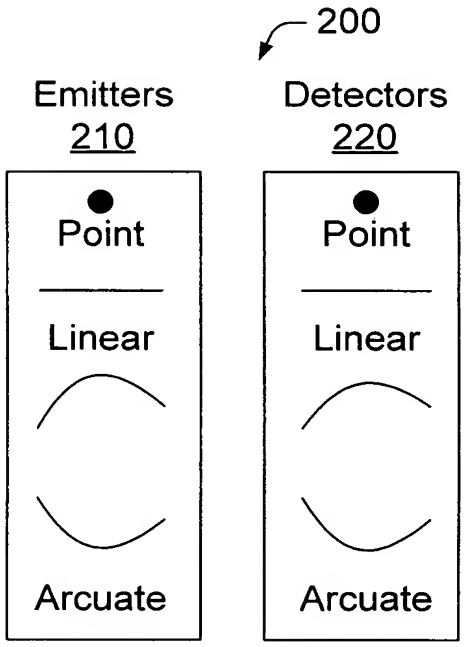


Fig. 2

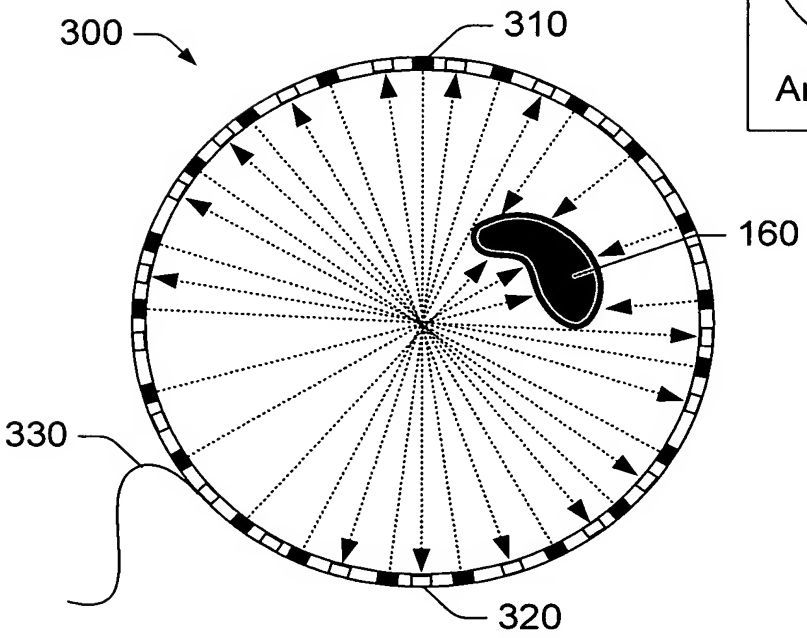


Fig. 3

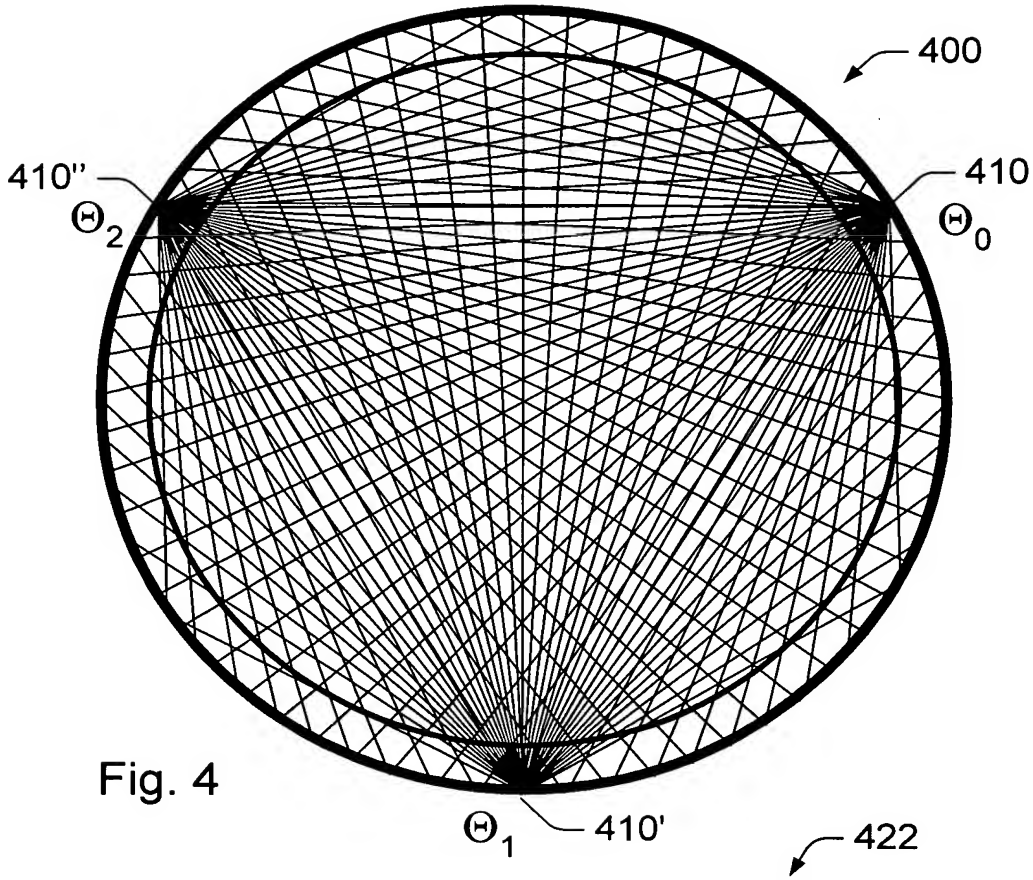

400
410''
Θ_2
410
Θ_0
Θ_1
410'

Fig. 4

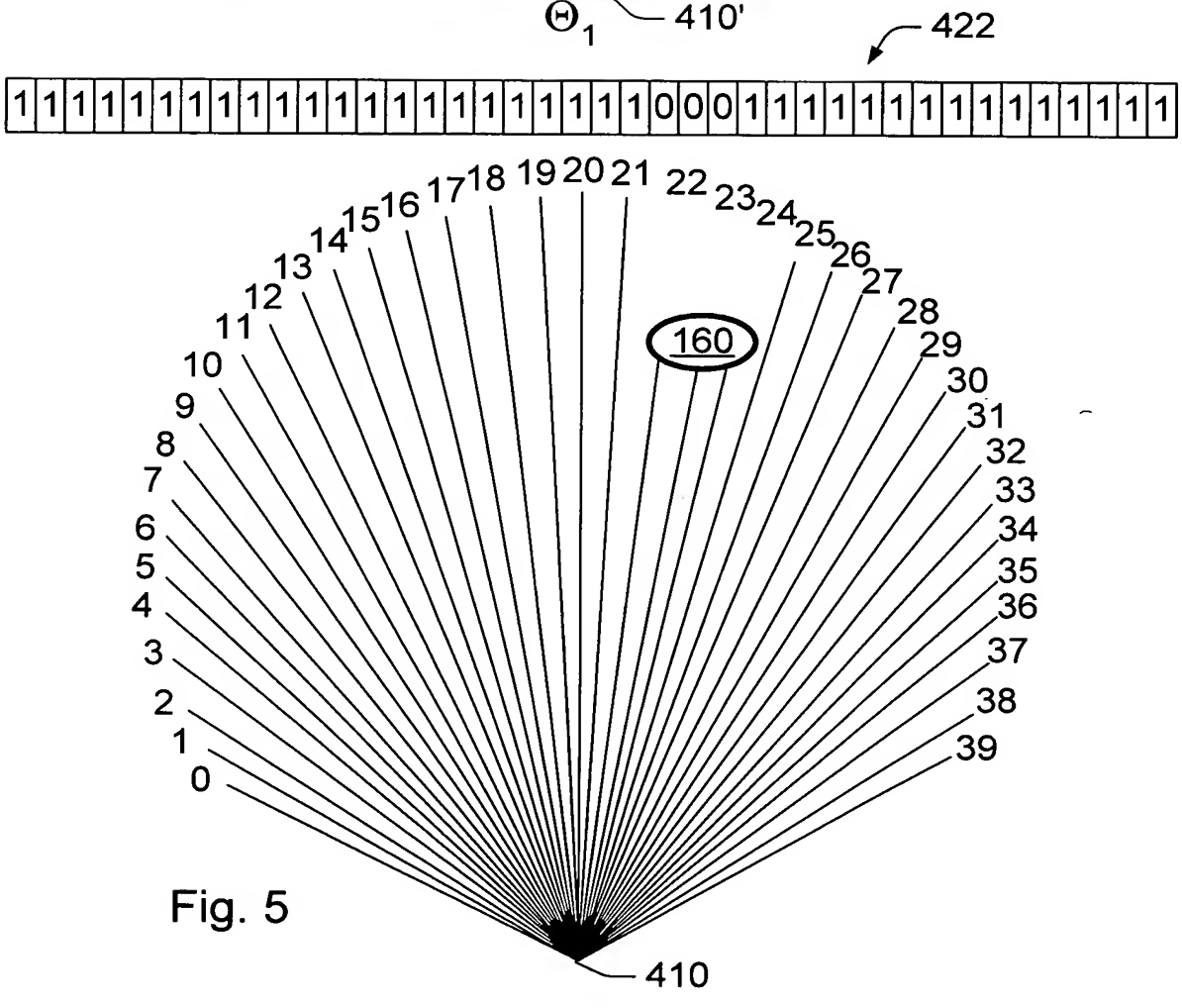

422
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39
160
410

Fig. 5

Fig. 6A

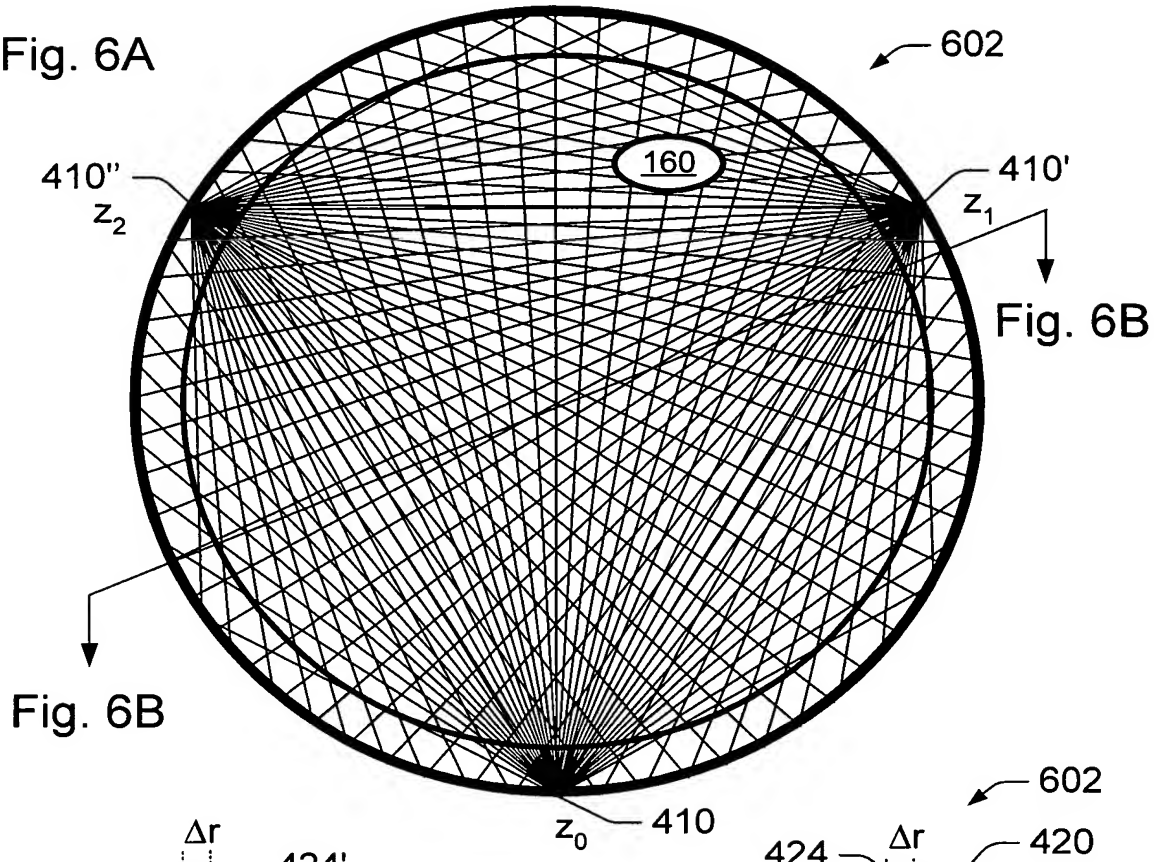
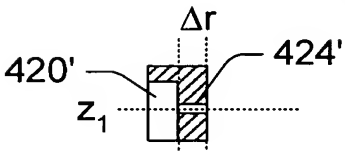


Fig. 6B

Fig. 6B



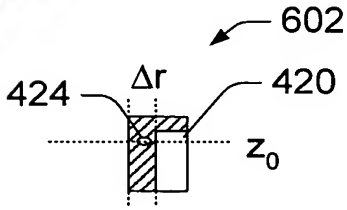


Fig. 6C

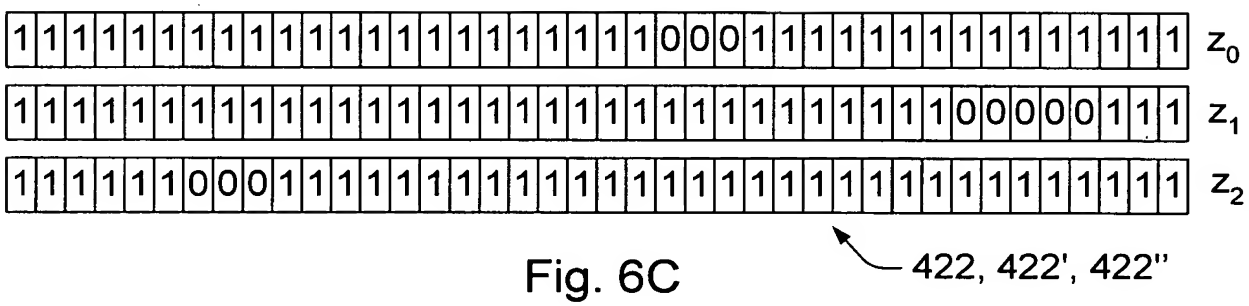
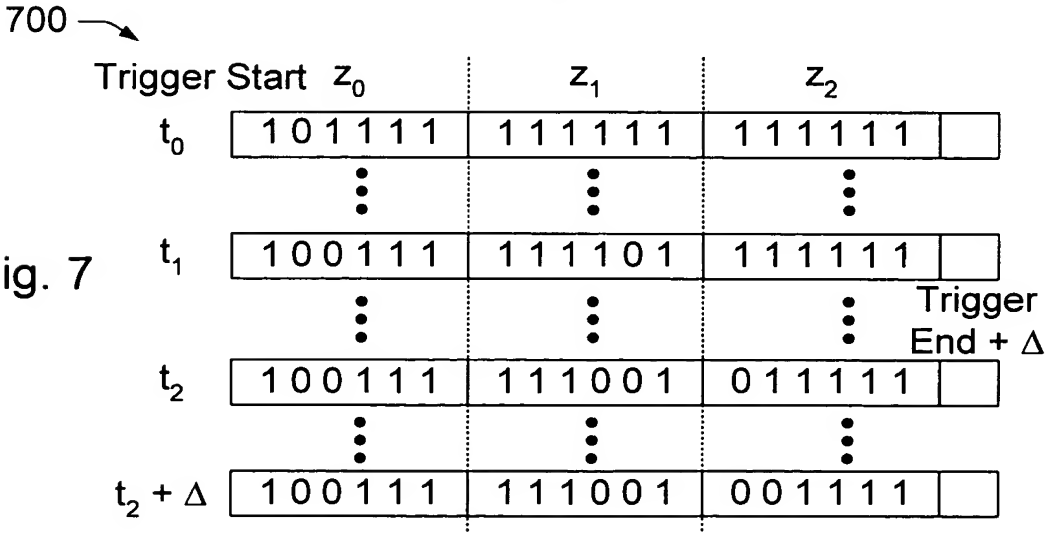


Fig. 7



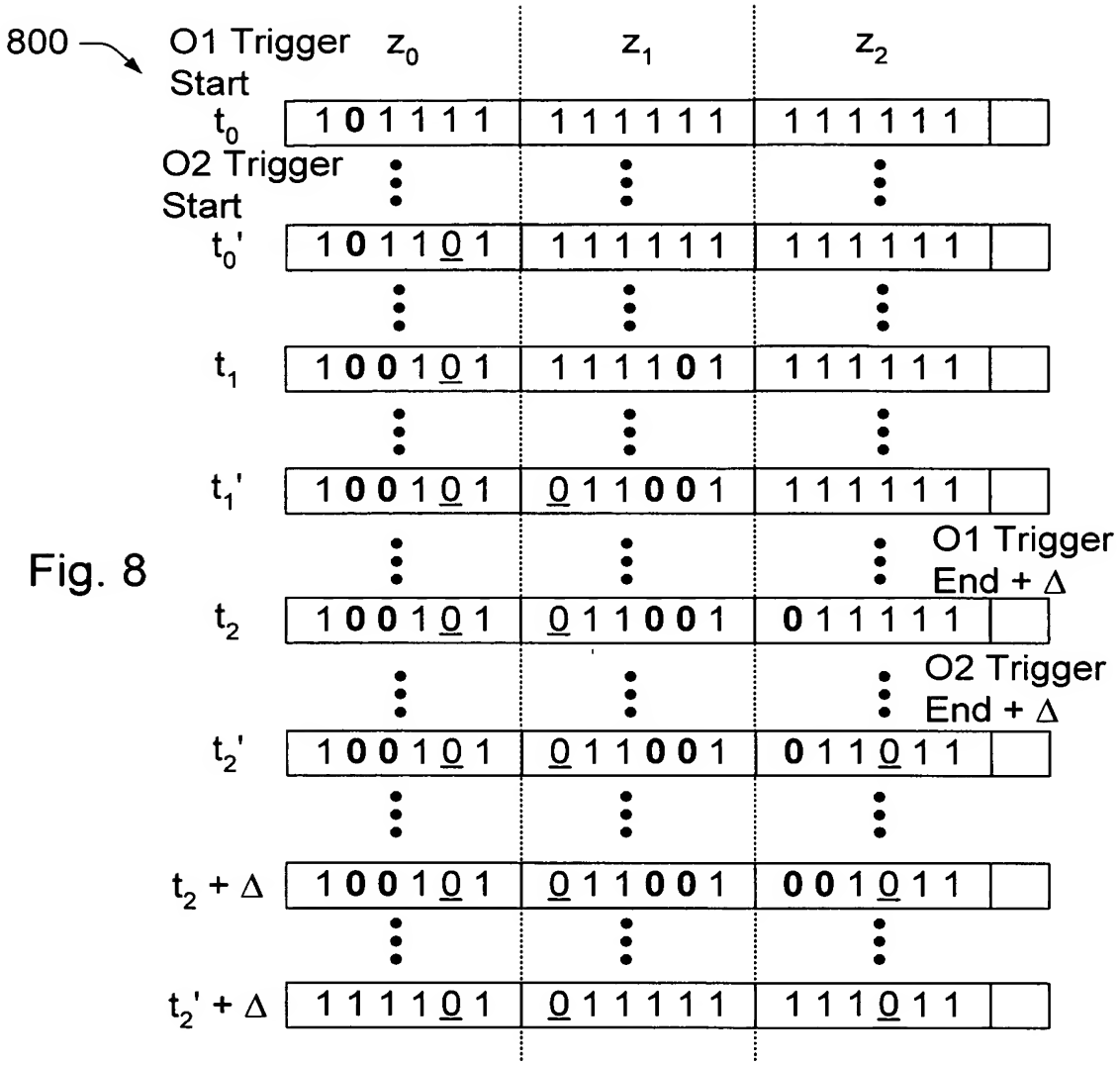


Fig. 8

900

Pandeiro	Caixa	Pratos	Surdo	Bombo
Th + NDFT	x, x + δ			x
FT	x			
BH	x			
Th	x, x + δ	x	x	x
FT	x			
BH	x			
Th + NDFT	x, x + δ			x
FT	x			
BH	x			
Th	x, x + δ	x	x	x
FT	x			
BH	x			

Fig. 9

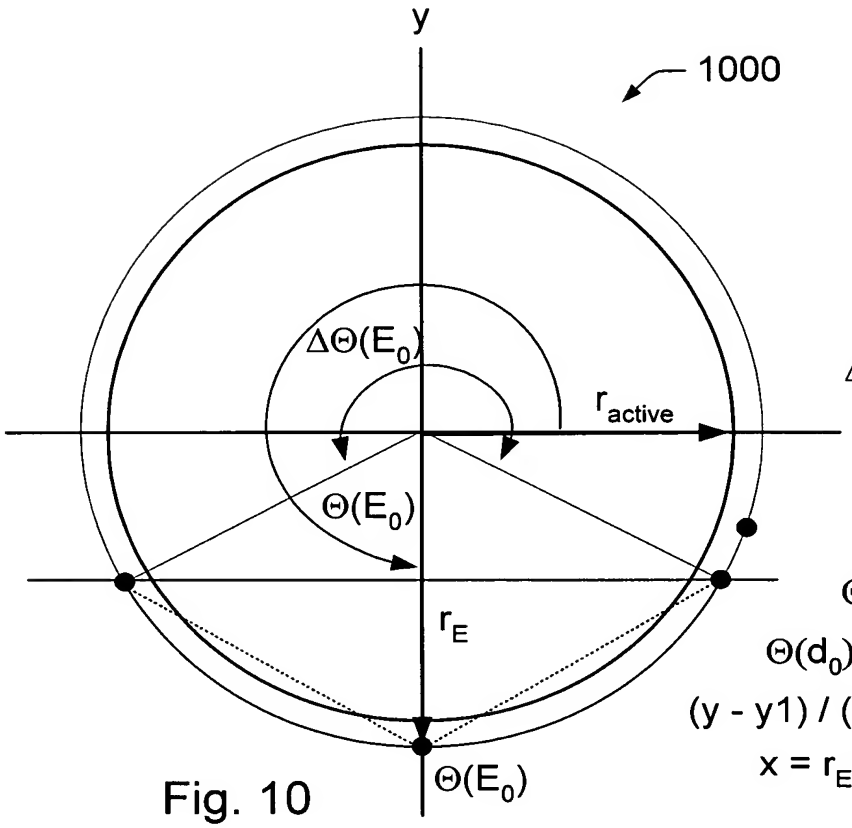


Fig. 10

Point 1	Point 2
$r_S, \Theta(E_0)$	$r_S, \Theta(d_0)$
$r_S, \Theta(E_0)$	$r_S, \Theta(d_1)$
$r_S, \Theta(E_0)$	$r_S, \Theta(d_N)$

N = No. Detectors

$\Delta\Theta(d_{i+1} - d_i) = \Delta\Theta(E_0)/N$

$\Theta(d_1) = \Theta(d_0) + \Delta\Theta(d_{i+1} - d_i)$

$\Theta(d_0) = \Theta(E_0) + (360 - \Delta\Theta(E_0)/2)$

$(y - y1) / (x - x1) = (y2 - y1) / (x2 - x1)$

$x = r_E \cos\Theta \qquad y = r_E \sin\Theta$

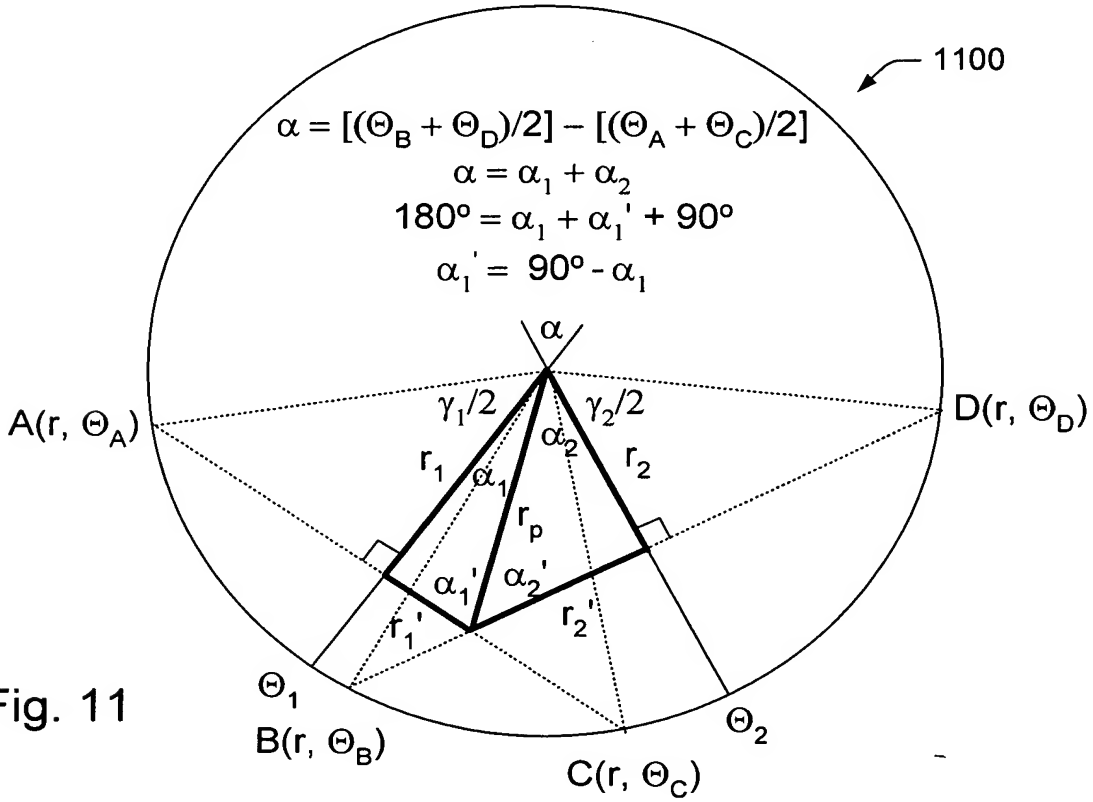


Fig. 11

$r_1 = r - [0.5r^2 (1 - \cos(\gamma_1)) / (2r - 1)] \qquad \gamma_1 = (\Theta_C - \Theta_A)$

$r_2 = r - [0.5r^2 (1 - \cos(\gamma_2)) / (2r - 1)] \qquad \gamma_2 = (\Theta_D - \Theta_B)$

$(r_1 / r_2) = \sin(90^\circ - \alpha_1) / \sin(90^\circ - \alpha + \alpha_1) \qquad r_p = r_1 / \sin(90^\circ - \alpha_1)$

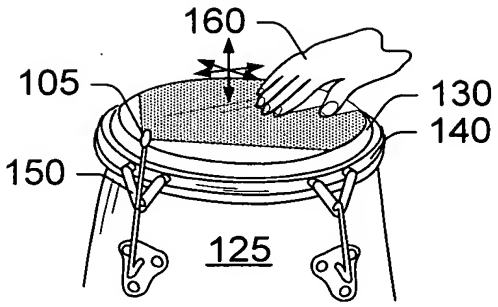


Fig. 12

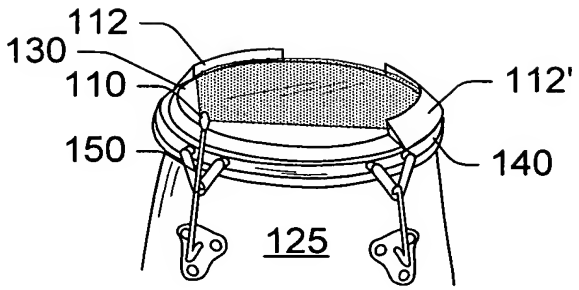


Fig. 13

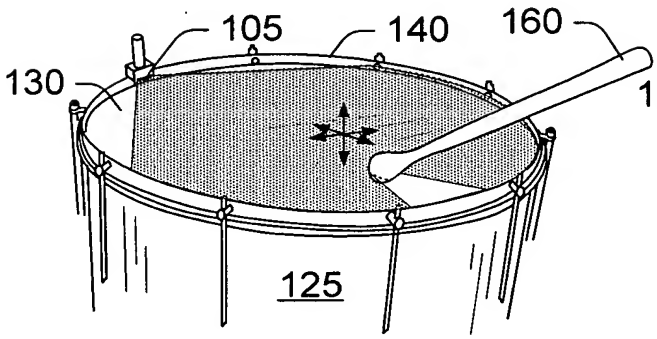


Fig. 14

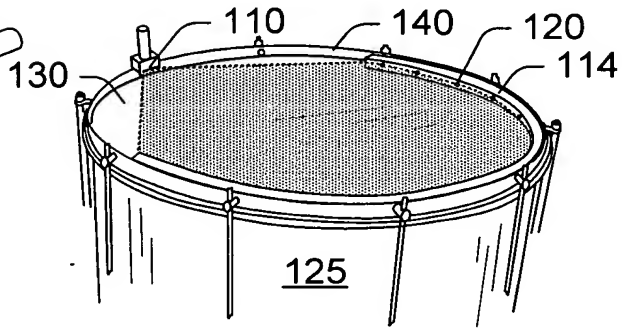


Fig. 15

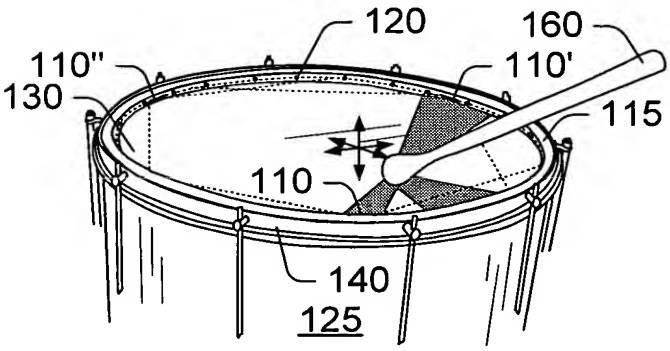


Fig. 16

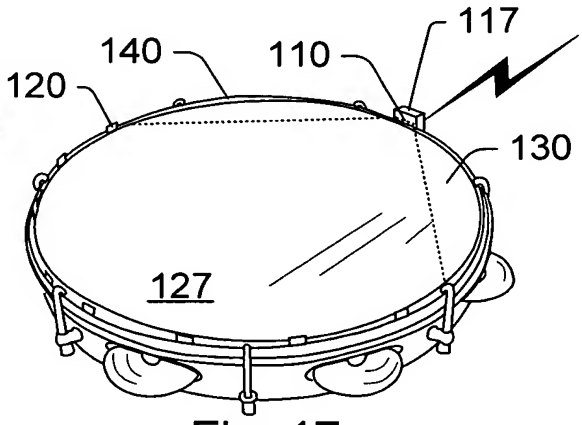


Fig. 17

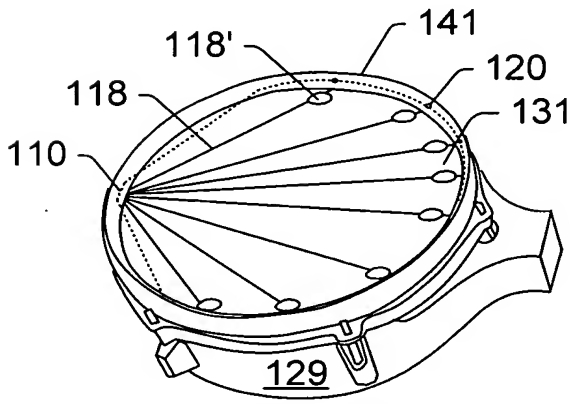


Fig. 18

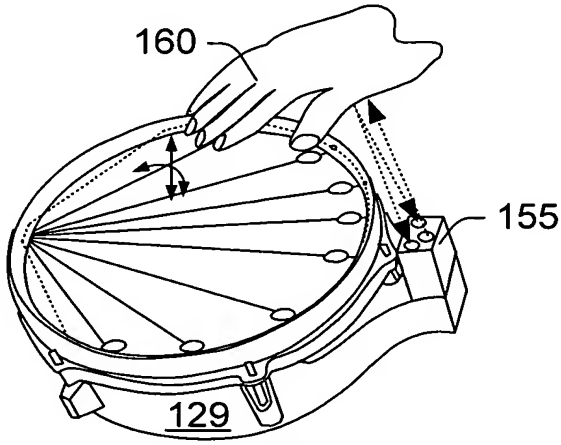


Fig. 19

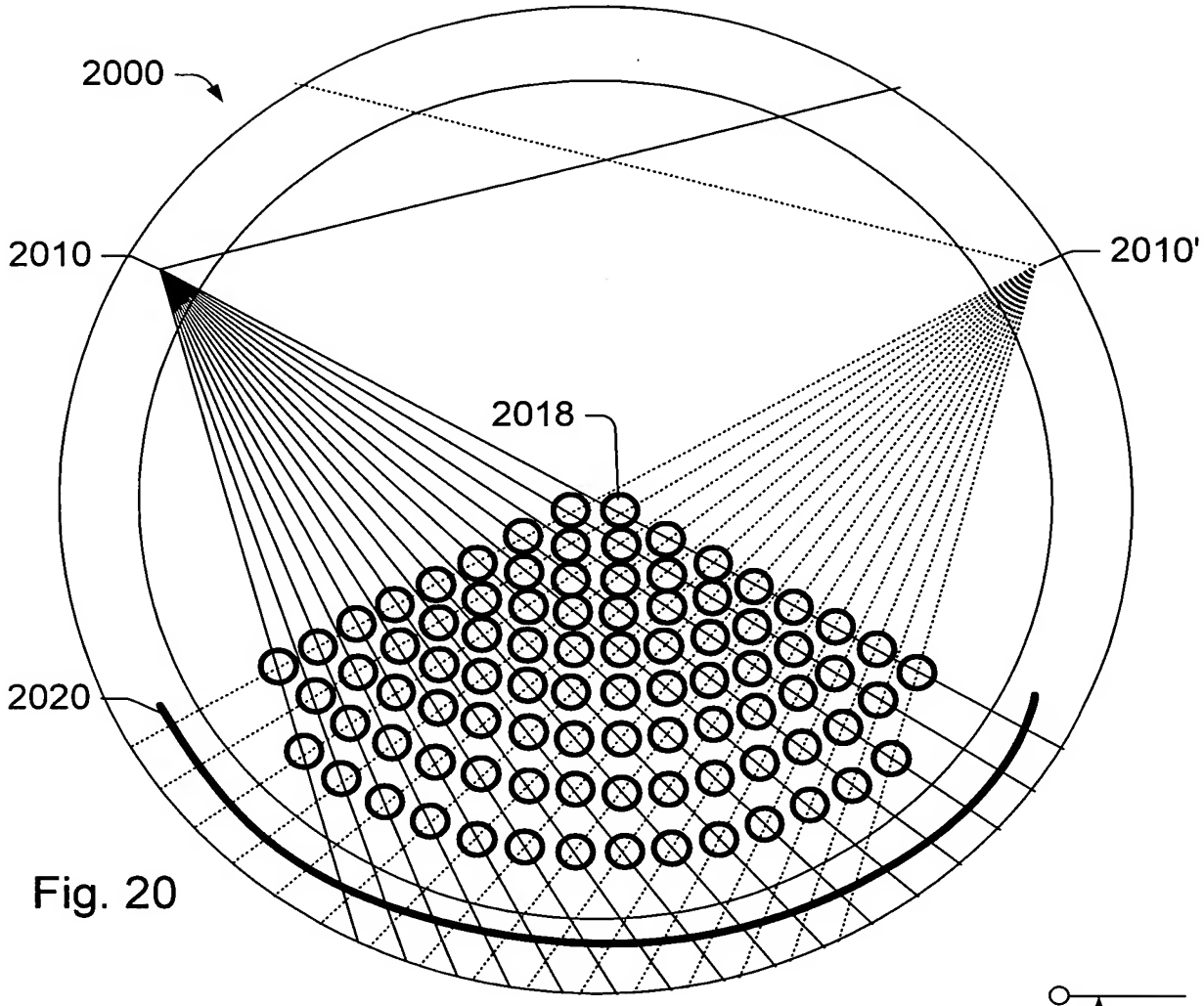


Fig. 20

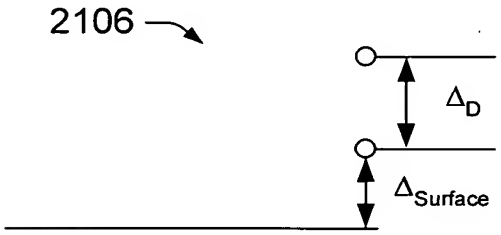


Fig. 21A

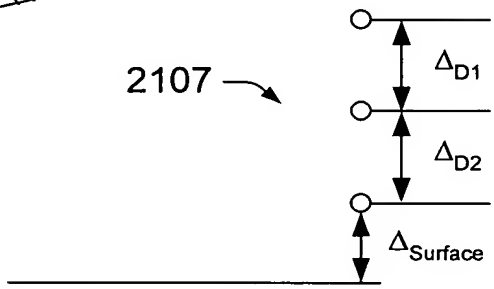


Fig. 21B

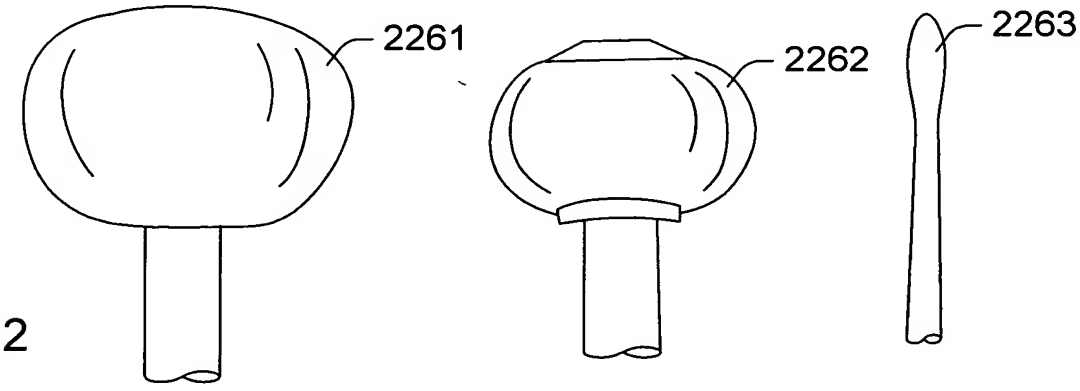


Fig. 22

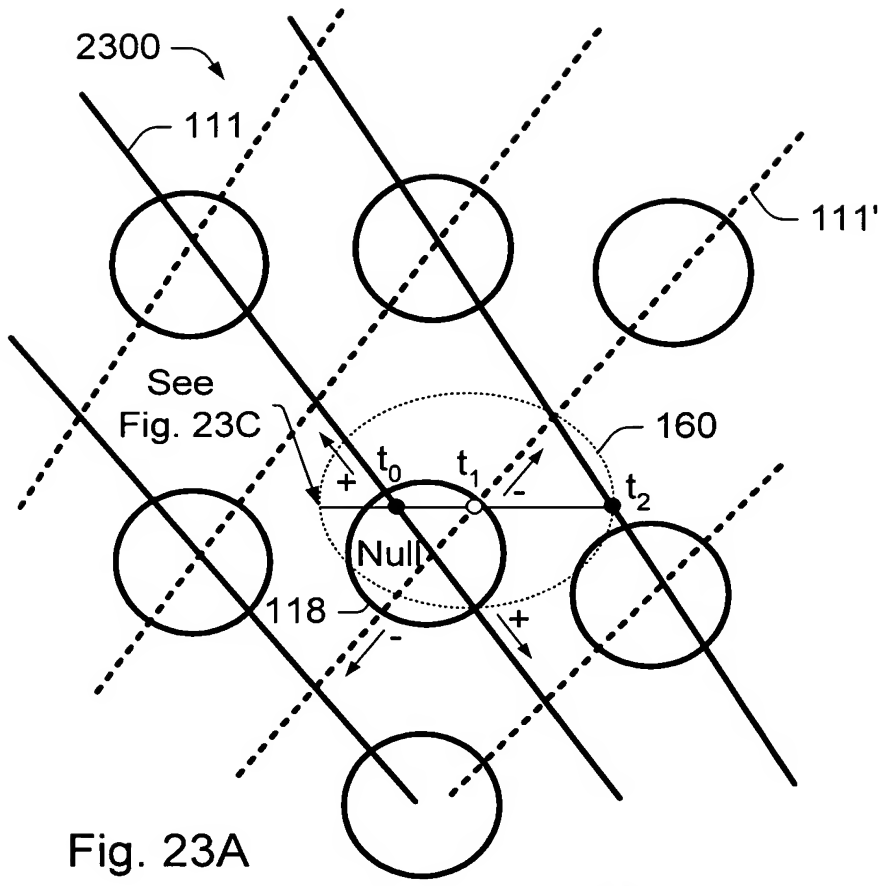


Fig. 23A

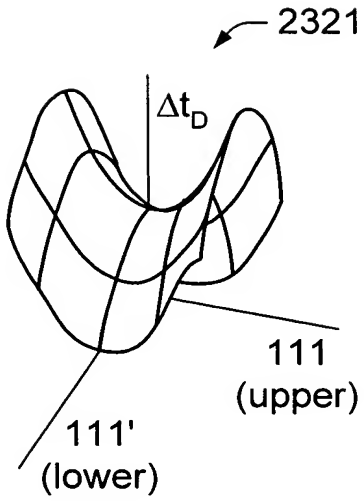


Fig. 23B

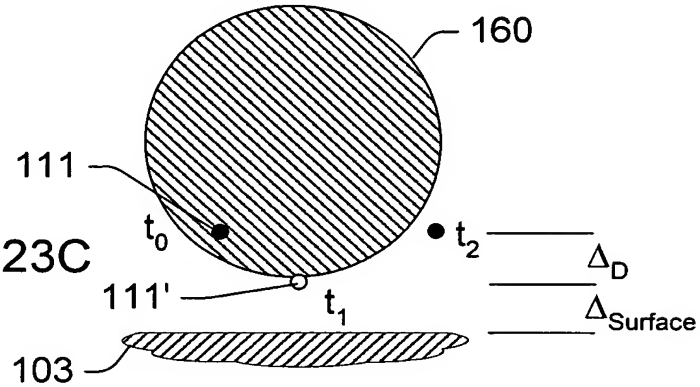


Fig. 23C

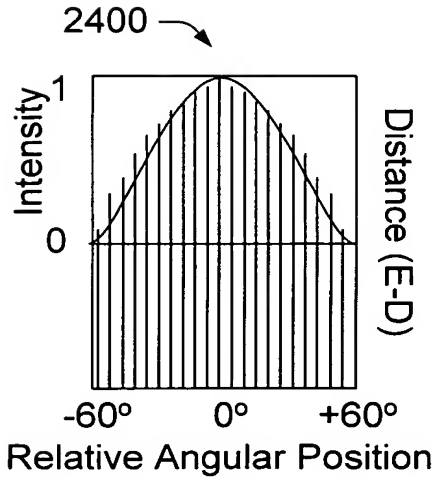


Fig. 24

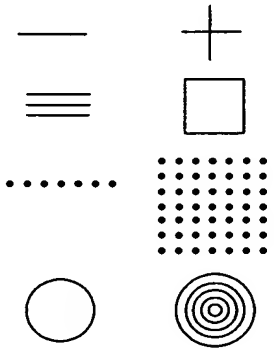


Fig. 25

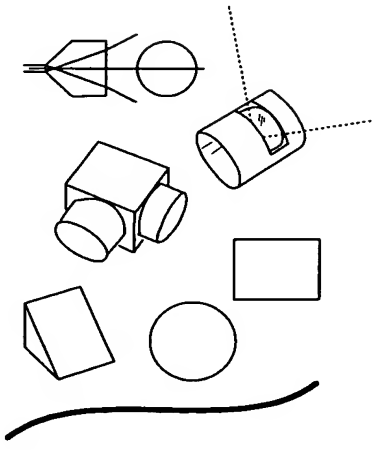


Fig. 26

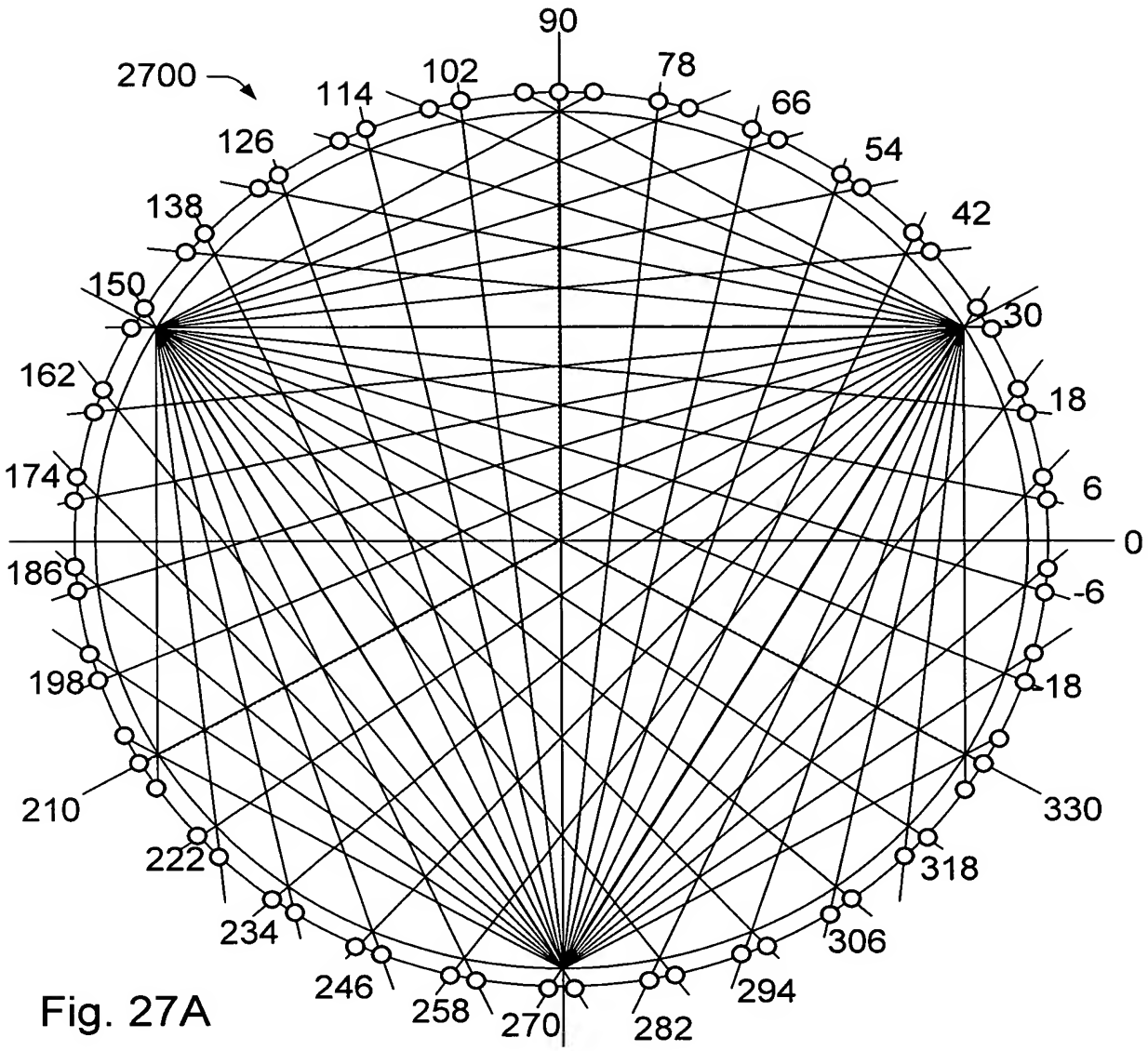
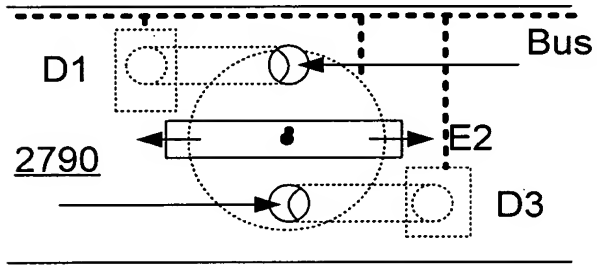
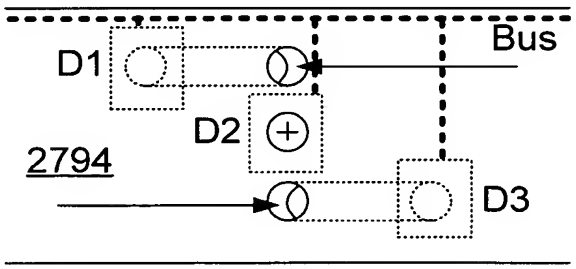


Fig. 27A





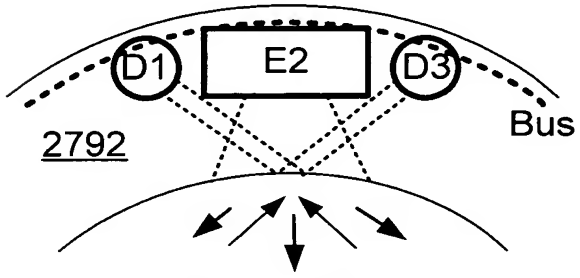


Fig. 27B

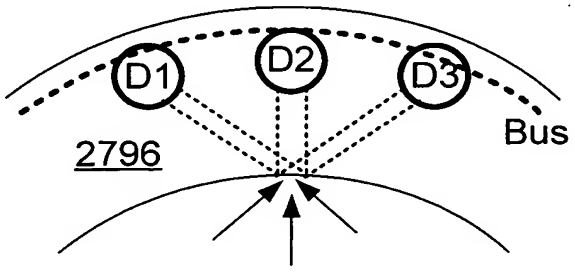


Fig. 27C

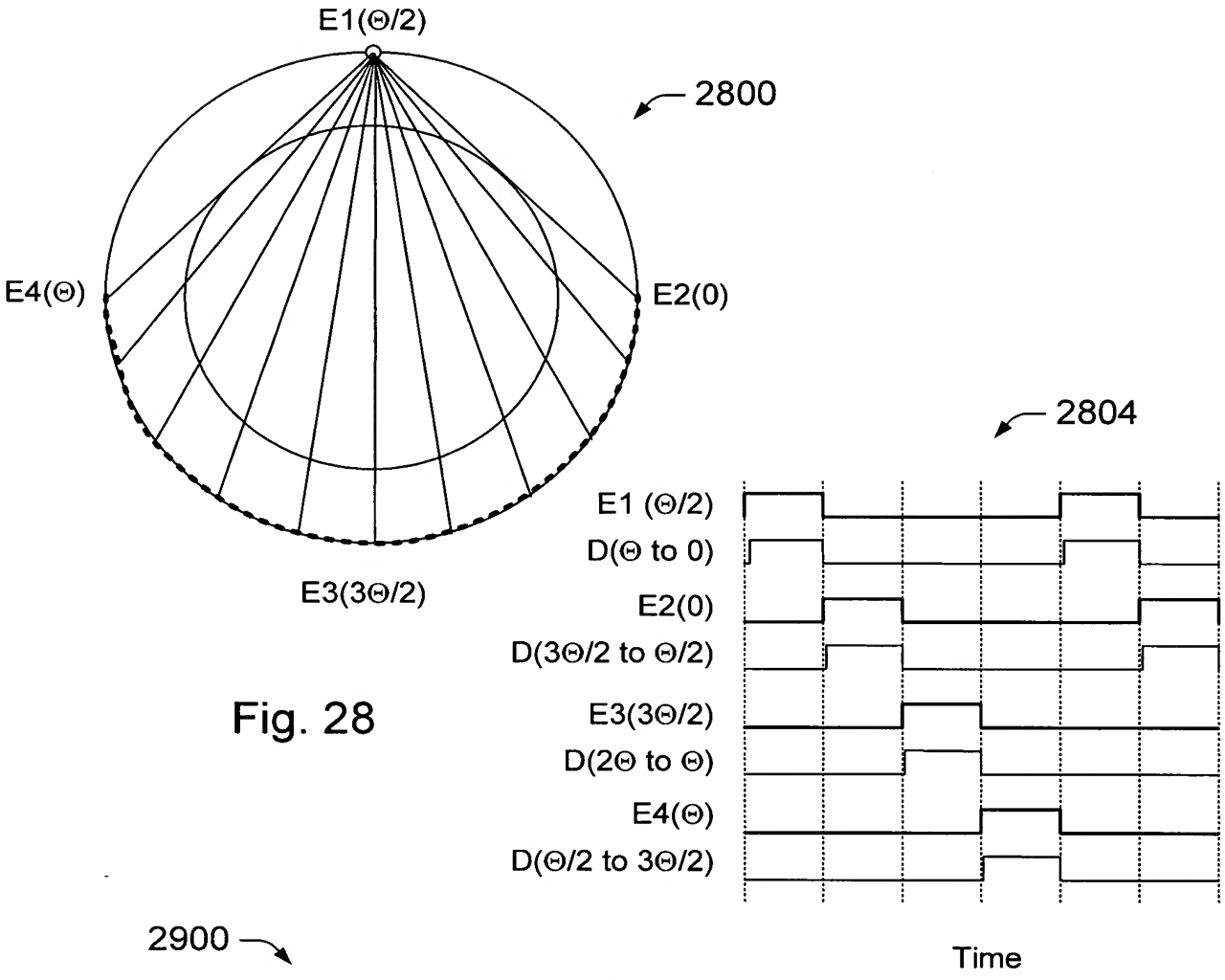

E1(Θ/2)
2800
E4(Θ)
E2(0)
E3(3Θ/2)
2804
E1 (Θ/2)
D(Θ to 0)
E2(0)
D(3Θ/2 to Θ/2)
E3(3Θ/2)
D(2Θ to Θ)
E4(Θ)
D(Θ/2 to 3Θ/2)
Time

Fig. 28

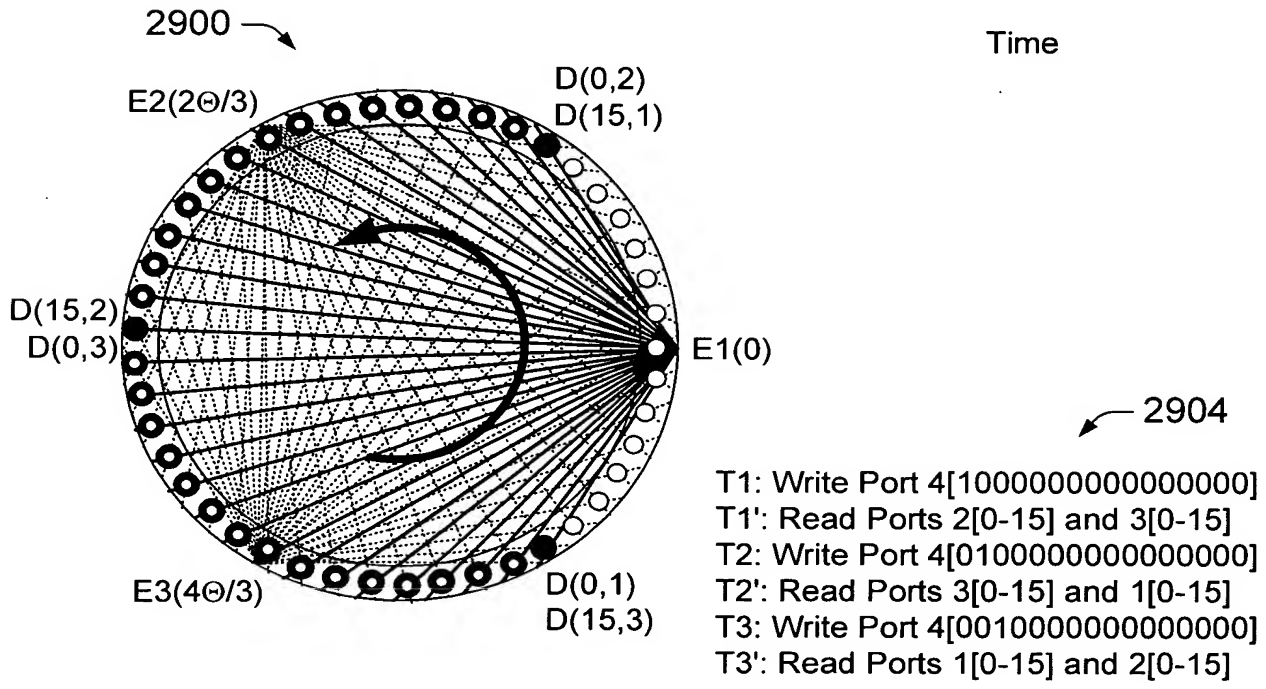

2900
E2(2Θ/3)
D(0,2)
D(15,1)
D(15,2)
D(0,3)
E1(0)
E3(4Θ/3)
D(0,1)
D(15,3)
2904
T1: Write Port 4[1000000000000000]
T1': Read Ports 2[0-15] and 3[0-15]
T2: Write Port 4[0100000000000000]
T2': Read Ports 3[0-15] and 1[0-15]
T3: Write Port 4[0010000000000000]
T3': Read Ports 1[0-15] and 2[0-15]

Fig. 29

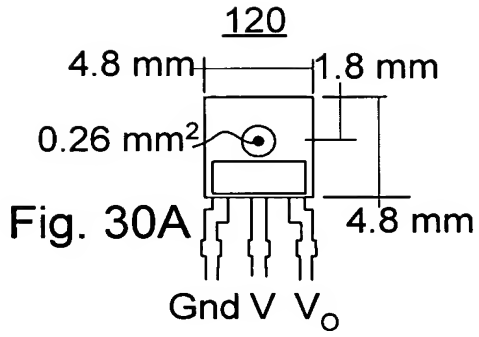


Fig. 30A

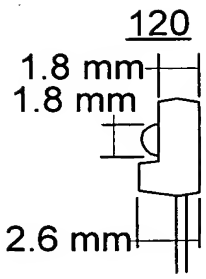


Fig. 30B

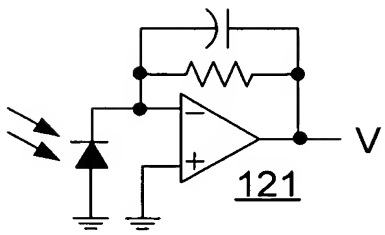


Fig. 31

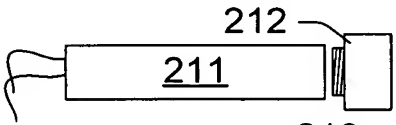


Fig. 32

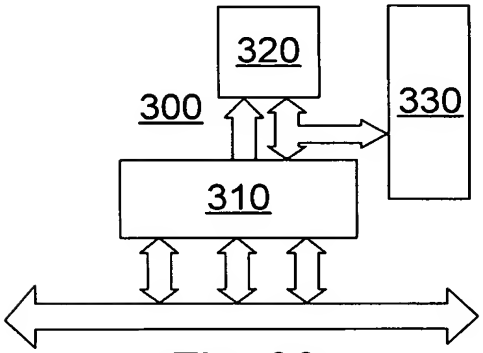


Fig. 33

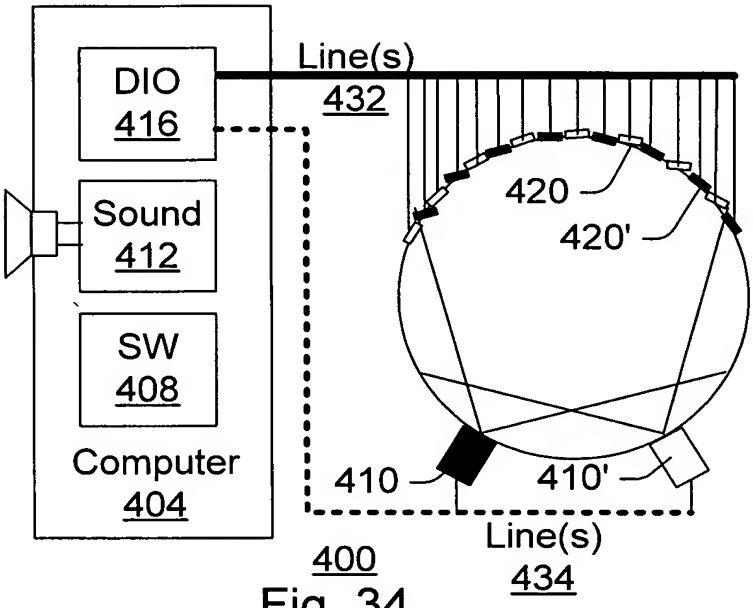


Fig. 34

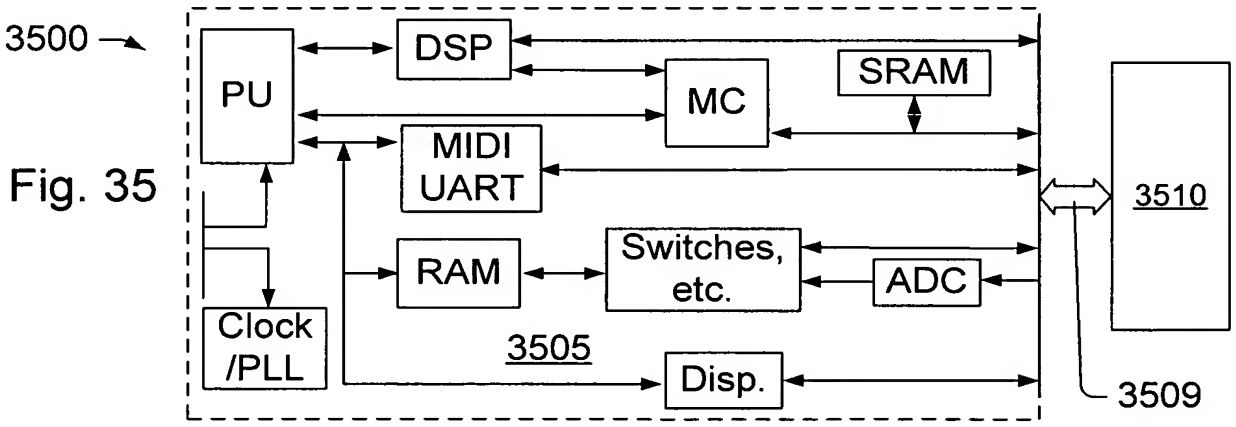


Fig. 35

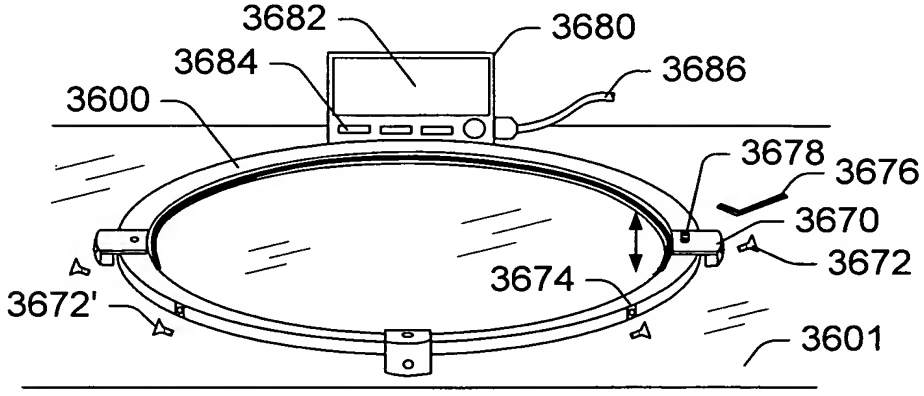


Fig. 36